

WHAT IS CLAIMED IS:

1. A method for modeling a constraint relationship, comprising:
  - receiving data;
  - identifying a solution space corresponding to the data;
  - 5        setting rules for evaluating constraint relationships of the data and for navigating the solution space; and
  - generating cross-domain logical response engines corresponding to a navigation of the solution space.
- 10    2. A method according to claim 1, wherein the receiving data comprises receiving an electronic data file.
- 15    3. A method according to claim 1, wherein the data corresponds to at least one of a product offering and a service offering.
- 20    4. A method according to claim 3, wherein the data comprises a service description of a service and bill of particulars for the service if the at least one offering includes the service, and a product description of a product and a bill of materials for the product if the offering includes the product.
- 25    5. A method according to claim 1, wherein the identifying comprises forming a data organization according to at least one of complimentary product options and limiting product options.
- 30    6. A method according to claim 5, wherein the forming a data organization comprises adding data references.
7. A method according to claim 5, wherein the data organization is a tree structure.
8. A method according to claim 1, wherein the rules comprise logical operators.

9. A method according to claim 3, wherein the generating comprises generating a product configurator for enabling a user to select from among product options of a product if the offering includes the product, and for selecting from among service options of a service if the offering includes the service.

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10. A method according to claim 10, wherein the product options include package options and non-package options.

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11. A method according to claim 10 wherein a user selection of a package option excludes a non-package option.

12. A method according to claim 1, wherein the generating generates an order entry system operable according to the rules.

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13. A method according to claim 13, wherein the solution space further comprises a supply checking system for determining whether a product including selected options can be supplied.

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14. A method according to claim 1, wherein the modeling models a constraint relationship of configuration information applicable to a configuration manager and one or more inter-entity systems implemented as a virtual agent network.

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15. A system for modeling a constraint relationship, comprising:

means for receiving data;

means for identifying a solution space corresponding to the data;

means for setting rules for evaluating constraint relationships of the data and for navigating the solution space; and

means for generating cross-domain logical response engines corresponding to a navigation of the solution space.

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Year	Country	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)	Population growth rate (%)	Urban population growth rate (%)	Population growth rate (%)	Urban population growth rate (%)
1950	India	360	100	28	170	100	1.8	1.8	1.8	1.8
1955	India	380	110	29	180	110	1.9	1.9	1.9	1.9
1960	India	400	120	30	190	120	2.0	2.0	2.0	2.0
1965	India	420	130	31	200	130	2.1	2.1	2.1	2.1
1970	India	440	140	32	210	140	2.2	2.2	2.2	2.2
1975	India	460	150	33	220	150	2.3	2.3	2.3	2.3
1980	India	480	160	33	230	160	2.4	2.4	2.4	2.4
1985	India	500	170	34	240	170	2.5	2.5	2.5	2.5
1990	India	520	180	35	250	180	2.6	2.6	2.6	2.6
1995	India	540	190	35	260	190	2.7	2.7	2.7	2.7
2000	India	560	200	36	270	200	2.8	2.8	2.8	2.8
2005	India	580	210	36	280	210	2.9	2.9	2.9	2.9
2010	India	600	220	37	290	220	3.0	3.0	3.0	3.0
2015	India	620	230	37	300	230	3.1	3.1	3.1	3.1
2020	India	640	240	38	310	240	3.2	3.2	3.2	3.2
2025	India	660	250	38	320	250	3.3	3.3	3.3	3.3
2030	India	680	260	38	330	260	3.4	3.4	3.4	3.4
2035	India	700	270	39	340	270	3.5	3.5	3.5	3.5
2040	India	720	280	39	350	280	3.6	3.6	3.6	3.6
2045	India	740	290	39	360	290	3.7	3.7	3.7	3.7
2050	India	760	300	40	370	300	3.8	3.8	3.8	3.8
2055	India	780	310	40	380	310	3.9	3.9	3.9	3.9
2060	India	800	320	40	390	320	4.0	4.0	4.0	4.0
2065	India	820	330	40	400	330	4.1	4.1	4.1	4.1
2070	India	840	340	40	410	340	4.2	4.2	4.2	4.2
2075	India	860	350	41	420	350	4.3	4.3	4.3	4.3
2080	India	880	360	41	430	360	4.4	4.4	4.4	4.4
2085	India	900	370	41	440	370	4.5	4.5	4.5	4.5
2090	India	920	380	41	450	380	4.6	4.6	4.6	4.6
2095	India	940	390	42	460	390	4.7	4.7	4.7	4.7
2100	India	960	400	42	470	400	4.8	4.8	4.8	4.8